

Title (en)

PROCESSES FOR THE PREPARATION OF SULFUR COATED FERTILIZERS AND PRODUCTS PRODUCED THEREBY

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SCHWEFELBESCHICHTETEN DÜNGERN UND DARAUS HERGESTELLTE PRODUKTE

Title (fr)

PROCEDES DE FABRICATION D'ENGRAIS REVETUS D'UNE COUCHE DE SOUFRE ET DE PRODUITS ELABORES SELON CETTE METHODE

Publication

EP 0703884 A4 19980107 (EN)

Application

EP 94920736 A 19940613

Priority

- US 9406714 W 19940613
- US 7644793 A 19930614

Abstract (en)

[origin: WO9429239A1] Extended residual, controlled release sulfur coated fertilizers having polymeric topcoats applied over a sulfur coating layer are prepared wherein the sulfur coating contains a sufficient amount of a crystalline sulfur allotrope in combination with at least a minimal level of carbon disulfide insoluble amorphous sulfur to maintain the sulfur coating in a pliable, resilient condition at the time at which the polymeric topcoat is applied over the sulfur coating. The presence of such sulfur allotrope is demonstrated by a shoulder endotherm appearing on a differential scanning calorimetry thermogram within a transition temperature range of about 84 DEG C - 97 DEG C.

IPC 1-7

C05C 9/00; **C05G 3/10**; **C05G 5/00**

IPC 8 full level

C05C 9/00 (2006.01); **C05G 3/00** (2006.01); **C05G 3/10** (2006.01); **C05G 5/00** (2006.01)

CPC (source: EP US)

C05C 9/00 (2013.01 - EP US); **C05C 9/005** (2013.01 - EP US); **C05G 5/36** (2020.02 - EP US); **Y10S 71/904** (2013.01 - EP US)

Citation (search report)

- [DX] WO 9215538 A1 19920917 - SCOTT & SONS CO O M [US]
- [DX] WO 9214690 A1 19920903 - SCOTT & SONS CO O M [US]
- See references of WO 9429239A1

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DOCDB simple family (publication)

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